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Operations

SHORT SPRINT EXERCISES

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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This instruction establishes the Twentieth Air Force Short Sprint program, which is designed to provide a current indication of the readiness of the force to the 20 AF Commander and unit commanders. Units should use results obtained from Short Sprint exercises to compare and improve their processes for evaluating and enhancing combat readiness.

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SUMMARY OF REVISIONS

This publication updates policies (paragraph **1.2.**, **1.4.**, and **1.6.**), operations (paragraph **2.1.** and **2.3.**), maintenance (paragraphs **3.1.** and **3.2.**), helicopter operations (paragraphs **5.2.** and **5.3.**), and communications (paragraph **6.1.**, **6.2.**, and **6.3.**) A bar (|) indicates revision from the previous edition.

1. Policies . The following policies apply to the 20 AF Short Sprint program:

- 1.1. The requirements outlined in this instruction are the minimum requirements. Unit commanders may exercise/evaluate other areas as they desire.
- 1.2. Short Sprint exercises may be combined with other local exercises. AFSPC/IG and 20 AF inspections may count as the unit's Short Sprint exercise for that time period.
- 1.3. Short Sprint exercises will be scheduled by the unit three times per year (one each in January-April, May-August, and September-December). Unit commanders may accomplish additional Short Sprint exercises at their discretion. Additional Short Sprint exercises need not be reported.

1.4. Civilian employees may be utilized during these exercises at wing commander discretion. Any overtime costs incurred due to civilian employee utilization, is the responsibility of the unit.

1.5. Classify all reports IAW appropriate directives. Send unclassified Short Sprint reports to 20 AF/DOMV via e-mail within 2 weeks from the termination of each Short Sprint exercise (See [Attachment 1](#) and [Attachment 2](#)). Use the e-mail address for the guidance and clarification POC at 20 AF/DOMV. Send any classified Short Sprint reports to 20 AF/DOME via secure fax (DSN 481-5229). 20 AF/DOMV will forward all Short Sprint reports to the 20 AF/CC.

1.6. When planning any exercise, special attention must be given to safety concerns. If local exercises involve explosives or simulated explosive materials, the wing must comply with the requirements of AFMAN 91-201, *Explosives Safety Standards*, to include installation commander approval. Units should coordinate all pertinent safety issues with the wing Chief of Safety.

2. Operations.

2.1. Conduct Missile Procedures Trainer (MPT) special evaluations.

2.1.1. Observe three randomly selected crews per squadron. Additionally, two crews must be observed from OSOT or OGV. This can be one crew from either OSOT or OGV or two from either organization.

2.1.1.1. Special evaluations must include a 15 to 20 minute weapon system scenario focusing on Nuclear Surety topics and a 1-hour Emergency War Order scenario.

2.2. Conduct Launch Control Center (LCC) special evaluations at two randomly selected LCCs per squadron. Emphasize Nuclear Surety related areas such as entry/security procedures, message processing, EAMB, TATD, PLC-B library (REACT only), sealed authenticator control procedures, TDIs, enable and launch switch settings, etc.

2.3. Randomly select two Missile Alert Facilities (MAF)/LCCs from each squadron to operate on standby power.

2.3.1. Standby power systems must start up, assume the load, and run under load for at least 30 minutes to be scored effective.

2.3.2. If the diesel shuts down before 30 minutes without abnormal indications, the system will be restarted and run an additional 30 minutes to verify system effectiveness.

3. Maintenance .

3.1. Generate the missile field training launch facility (LF) to alert status. Evaluate upload and build-up procedures to generate an LF to alert status. If a Limited Life Component (LLC) exchange is scheduled the same week as a Short Sprint, this may be used to fulfill the training LF generation requirement. However, all actions simulating the generation of the training LF will be accomplished in the generation meeting (to include observation by Quality Assurance of an actual re-entry system built up in the Weapons Storage Area (WSA) for the training LF).

3.1.1. The training LF will be generated to full alert status during at least one Short Sprint exercise each year.

3.2. Randomly select one LF from each flight (five LFs per squadron) to operate on standby power.

3.2.1. Standby power systems must start up, assume the load, and run under load for at least 30 minutes to be scored effective.

3.2.2. If the diesel shuts down before 30 minutes without abnormal indications, the system will be restarted and run an additional 30 minutes to verify system effectiveness.

3.2.3. Report Olympic Play results from the previous 4 months (classify appropriately). Each sortie is scored effective for the Olympic Play if there were no malfunctions or misconfigurations that would have resulted in the sortie being incapable of successfully launching against its target.

4. Security .

4.1. Conduct and evaluate at least three no-notice penetration attempts at controlled/restricted areas, one of which must be at a MAF.

4.2. Conduct an LF recapture exercise or a Category 1 Convoy exercise. The exercise must incorporate the use of the response and backup forces. Develop scenarios locally and incorporate the Department of Defense and local postulated threats.

4.3. (90 SW and 341 SW Only) Conduct and evaluate a WSA recapture exercise. This exercise must incorporate the use of the response and backup forces. Develop scenarios locally and incorporate the Department of Defense and local postulated threats.

4.4. Assess security actions supporting convoy procedures and LF generation.

4.5. Conduct LF exercises as determined necessary.

5. Helicopter Operations.

5.1. Once per year, generate the number of Primary Aircraft Authorized within Design Operational Capability statement response time.

5.2. Assess helicopter operations supporting convoy procedures and LF generation.

5.3. Evaluate helicopter operations supporting an LF recapture exercise or Category 1 Convoy exercise. The exercise must incorporate the use of the response and backup forces.

6. Communications.

6.1. Use the last 90 days of communications testing (i.e. Continuing Evaluation Program (CEP), Giant Ball, Global Guardian, and Polo Hat) results for SACCS, ISST, MILSTAR, AFSATCOM, UHF, and SLFCS. UHF may also be tested by conducting MAF fly-overs; this may be done in conjunction with helicopter operations testing.

6.2. Assess each system individually over the rating period by dividing the number of valid receipts by the number of valid tests.

6.3. The communications grade is an overall average of all systems tested during rating period.

EDWARD W. RAUSCH, Colonel, USAF
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Attachment 1**SHORT SPRINT REPORTING FORMAT****UNIT** _____**DATE(S) OF SHORT SPRINT EXERCISE** _____**NOTE: KEEP ALL ENTRIES UNCLASSIFIED****1. MPT SPECIAL EVALUATIONS****GRADE:** _____

Total number of crew members evaluated _____

Total number of crew members passed _____

Total number of Major Errors _____

Total number of Critical Errors _____

NOTE: Errors are calculated by individual crew member.**2. LCC EVALUATIONS****GRADE:** _____

Total number of crew members observed _____

Total number of crew members passed _____

Total number of Deviations _____

NOTE: Deviations are calculated by individual crew member.

Include other significant negative findings (e.g., Page A-107 missing from Emergency Action Message Book at X01 LCC).

3. GENERATE TRAINING LF**GRADE:** _____

Date and time the training LF was declared on-alert:

Date _____

Time _____

Include an executive summary of any significant issues or problems associated with generation or convoy procedures (include Maintenance, SF, and Helicopter information)

4. STANDBY POWER SYSTEMS**GRADE:** _____

Total number of LFs tested _____

Total number of LFs passed _____

Total number of MAF/LCCs tested _____

Total number of MAF/LCCs passed _____

Brief explanation of any test failures.

5. OLYMPIC PLAY RESULTS**GRADE:** _____

Total number of sorties tested _____

Total number of sorties passed _____

Brief explanation of any sortie failures.

6. SECURITY FORCES EXERCISES**GRADE:** _____

Attempted exercise penetrations grade _____

LF recapture/Category 1 Convoy exercise grade _____

WSA recapture exercise grade _____

LF exercise grade _____

Describe circumstances and reasons for unsatisfactory grades in any areas.

7. COMMUNICATIONS TESTING (Use criteria in paragraph 6.)**GRADE:** _____

SACCS _____

SLFCS _____

UHF (Giant Ball) _____

UHF (Helicopter*) _____

ISST _____

AFSATCOM _____

MILSTAR _____

Grade is average of all systems tested.

Brief explanation of test failure of any communication system. Include malfunction description and probable cause.

*Optional in conjunction with helicopter operations testing.

Attachment 2

SHORT SPRINT GRADING CRITERIA

A2.1. MPT Evaluations (OUT/EXC/SAT/MAR/UNSAT).

Crew Member Effectiveness = $100 * \{(A/B) - [(C/B) * .15]\}$
 A = Number of crew members passed
 B = Number of crew members evaluated
 C = Number of major errors not contributing to an unqualified rating

With one crew failure, the rating can be no higher than EXCELLENT. With two crew failures, the rating can be no higher than SATISFACTORY at a three-squadron unit. With three crew failures, the rating can be no higher than SATISFACTORY at a four-squadron unit. Four crew failures at a three-squadron wing and five crew failures at a four-squadron unit result in an UNSATISFACTORY rating. Apply the ratings in [Table A2.1](#).

Table A2.1. MPT Evaluations.

Percentage	Rating
98.5 - 100%	OUTSTANDING
95.1 - 98.4%	EXCELLENT
86.8 - 95%	SATISFACTORY
83.4 - 86.7%	MARGINAL
83.39 and below	UNSATISFACTORY

A2.2. LCC Observations (OUT/EXC/SAT/MAR/UNSAT).

Crew Member Effectiveness = $100 * \{(A/B) - [(C/B) * .15]\}$
 A = Number of crew members passed
 B = Number of crew members evaluated
 C = Number of major errors not contributing to an unqualified rating

With one crew failure, the rating can be no higher than EXCELLENT. With two crew failures, the rating can be no higher than SATISFACTORY at a three-squadron unit. With three crew failures, the rating can be no higher than SATISFACTORY at a four-squadron unit. Four crew failures at a three-squadron wing and five crew failures at a four-squadron unit result in an UNSATISFACTORY rating. Apply the ratings in [Table A2.1](#).

A2.3. Generate Training LF (SAT/UNSAT).

Grade - Successful Generation

Training LF Generated	SATISFACTORY
Training LF not Generated	UNSATISFACTORY

A2.4. Standby Power Systems (OUT/EXC/SAT/MAR/UNSAT). Apply the ratings in [Table A2.2](#).

Table A2.2. Standby Power Systems.

Percentage	Rating
98 - 100%	OUTSTANDING
95 - 97.99%	EXCELLENT
89 – 94.99%	SATISFACTORY
86 – 88.99%	MARGINAL
85.99 and below	UNSATISFACTORY

A2.5. Olympic Play Results (OUT/EXC/SAT/MAR/UNSAT). Apply the ratings in [Table A2.3](#).

Table A2.3. Olympic Play Results.

Percentage	Rating
98.5 - 100%	OUTSTANDING
95.1 - 98.4%	EXCELLENT
86.8 - 95%	SATISFACTORY
83.4 - 86.7%	MARGINAL
83.39 and below	UNSATISFACTORY

A2.6. Security Forces Exercises (SAT/UNSAT).

Security Forces exercises overall rating SATISFACTORY or UNSATISFACTORY as determined by local evaluators.

Attempted exercise penetrations is/are rated SATISFACTORY or UNSATISFACTORY. Any successful exercise penetration of controlled/restricted areas results in an unsatisfactory rating.

For LF recapture, Category 1 convoy response, WSA recapture, or LF exercises, failure to meet required response times results in an UNSATISFACTORY rating. Otherwise, exercises are rated SATISFACTORY or UNSATISFACTORY as determined by local evaluators.

A2.7. Communications Systems Testing (OUT/EXC/SAT/MAR/UNSAT). Apply the ratings in [Table A2.4](#).

Table A2.4. Communications Systems Testing Ratings.

Percentage	Rating
98.5 - 100%	OUTSTANDING
95.1 - 98.4%	EXCELLENT
86.8 - 95%	SATISFACTORY
83.4 - 86.7%	MARGINAL
83.39 and below	UNSATISFACTORY